CURB AND GUTTER

-EDGE OF SHOULDER OR START OF CURB AND GUTTER

COUNTY TOTAL SHEE SECTION COOK 82 58 TO STA. _. STA. _____ FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT

* (1012,1214, 1915, \$ 1517) R5-3

PAVEMENT

EDGE OF PAVEMENT 305 mm (1FT.) -ALL CORNERS SHALL BE SAWCUT -3 TURNS OF LOOPWIRE 305 mm (1FT.) 1.83 m - PVC TUBE (ORANGE) -WCS_200/750_HEAT_SHRINK_TUBE_ 30.0 mm (11/4") LEAD IN HOLE FOR WIRE TRANSITION -NO.14 WIRE WITH INSULATION — NYLON COVERING SCRAPED OFF ONLY INSULATION AND WIRE TO REMAIN TO P-DUCT 305 mm (12") MINIMUM - BARE WIRE EDGE OF PAVEMENT - BARREL SLEEVE, CRIMPED & SOLDERED WCSMW 30/100 HEAT SHRINK TUBE TYPICAL "S" FT. BY 1.83 m (6FT.) INDUCTION LOOP SAWCUT LAYOUT FOR RAMPS

305 mm (1FT.) -LOOP SAWCUT 305 mm (1FT.) CONCRETE CURB TRAFFIC PAVEMENT AND GUTTER -30.0 mm (1¹/4IN.) P-DUCT

> CURB AND GUTTER LOOP LEAD-IN TRANSITION DETAIL

LOOP-SPLICING REQUIREMENTS

MINIMUM 25 mm (1") HEAT SHRINK TUBING OVERLAP

ON WIRE, PVC & SHIELDED CABLE TO FORM WATER TIGHT SEAL

4-C NO.18 TWISTED SHIELDED CABLE

TWIST BLACK/WHITE TOGETHER, RED/GREEN TOGETHER

25 mm (1") MIN

25 mm (1") MIN

25 mm (1") MIN

25 mm (1") MIN

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TABLE 1				
WIDTH (W)	WIDTH (S)			
3.7 m (12')	2.5 m (8′)			
4.0 m (13')	2.8 m (9′)			
4.3 m (14')	3.1 m (10')			
4.6 m (15')	3.4 m (11')			
4.9 m (16′)	3.7 m (12′)			
5.2 m (17′)	4.0 m (13′)			
5.5 m (18′)	4.3 m (14')			
5.8 m (19')	4.6 m (15')			
6.1 m (20')	4.9 m (16')			
6.4 m (21')	5.2 m (17')			
6.7 m (22')	5.5 m (18′)			
7.0 m (23')	5.8 m (19′)			
7.3 m (24')	6.1 m (20')			
7.6 m (25')	6.4 m (21')			

NOTES

- 1. EACH LOOP SHALL BE SPLICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 45 m (150FT.) OR MORE FROM CABINET.
- 2. LOOPS SHALL BE SPLICED IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
- 3. LOOPS SHALL NOT BE SPLICED IN SERIES.
- 4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THRU WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.

REVISIONS		_
NAME	DATE	Il
R.L.	6/94	
T.C.	11/95	
R.L.	05/96	
T.C.	10/96	

ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER RECTANGULAR INDUCTION LOOP TYPICAL

SCALE: VERT. NONE

CHECKED BY R.L.

DRAWN BY G.M. DATE 6-22-94